

	(Tue)	(Fri)	Advance topic Y7/Y8		
1				28 Aug 2014 (Thu) Orientation: Brief introduction about ATYP Lunch arrangement (order form) Conflict form (made up arrangement)	
2	02 Sep 2014	05 Sep 2014	VSAY6: Number The number system: Decimals/Fractions/Percentage H&H MYP1 Ch2, 5, 6, 8, 9, 11, 14 & 16 My Pals 6A Ch4 & 6  VSAY7: Directed number NTS1: Ch1  <b>ATYP: Numbers</b> <b>MM1 Ch1</b>	Introduction for ATYP Course structure and outline/ Homework arrangement/ Assessment arrangement <b>MM1 Ch1 – Numbers</b> 1.1 Primes and Prime Factorization <b>Activity 1: MM1 WB (p.1-2)</b> 1.2 Highest Common Factor (HCF) and Lowest Common Multiple (LCM) <b>Activity 2: MM1 WB (p.3-4)</b> 1.3 Integers and Negative Numbers <b>Activity 3: MM1 WB (p.5)</b> 1.4 The four operations on Integers <b>Activity 4: MM1 WB (p.6)</b>	MM1 (1ABCD) MM1 WB (Ch1 Ex1,2,3,4 p.26: Project A) (Q1,4,7...; a,d,g...)
3	09 Sep 2014 Mid Autumn Festival	12 Sep 2014		<b>MM1 Ch1 – Numbers</b> (continue) 1.5 Squares and Square Root <b>Activity 5: MM1 WB (p.7)</b> 1.6 Cubes and Cube Roots 1.7 Real Numbers and Rational Numbers <b>Activity 6: MM1 WB (p.8)</b> 1.8 The Four Operations of Real Numbers <b>Activity 7: MM1 WB (p.9)</b>	MM1 (1ABCDEFGH + cp MM1 WB (Ch1 Ex1,2,3,4,5,6,7,8 + Rev E (Q2,5,8,11,14...; b,e,h...)
4	16 Sep 2014 PD day	19 Sep 2014	<b>ATYP: Approximation and Estimation</b> <b>MM1 Ch2</b>	<b>MM1 Ch2 – Approximation and Estimation</b> 2.1 Rounding off to a required number of decimal places 2.2 Finding the number of significant figures	MM1 (1ABCDEFGH + cp 2AB) MM1 WB (Ch1 Ex1,2,3,4,5,6,7,8 + Rev E Ch2 Ex1,2) (Q3,6,9,12...; c,f,i,l...)
5	23 Sep 2014 Music Day	26 Sep 2014 Y6 Camp			
				<b>Review on Chapter 1</b>	MM1 (1FFGH + cn1 + 2A

7	07 Oct 2014	10 Oct 2014		<p>Decimals</p> <p><b>Activity 1: MM1 WB (p.53)</b></p> <p><b>Activity 2: MM1 WB (p.54)</b></p> <p>4.2 Expressing one quantity as a percentage of another</p> <p><b>Activity 3: MM1 WB (p.55)</b></p> <p>4.3 Dealing with percentages greater than 100%</p> <p>4.4 Comparing two quantities by percentage</p>	<p>(Q2,5,8,11...; b,e,h...)</p>
8	14 Oct 2014	17 Oct 2014 PTS		<p><b>MM1 Ch4 – Percentages</b> (continue)</p> <p><b>Activity 4: MM1 WB (p.56)</b></p> <p>4.5 Increasing or Decreasing Percentages</p> <p>4.6 Increasing or Decreasing a Quantity by a Given Percentages</p> <p>4.7 Reversing Percentages</p> <p>4.8 Solving Problems Involving Percentages</p>	<p>MM1 (2CD + cp2 + 4ABCDEFGH + cp4)</p> <p>MM1 WB (Ch2 Ex3,4 + R Ex2 + Ch4 Ex1,2,3,4,5,6, Rev Ex4)</p> <p>(Q3,6,9,12,15...; c,f,i,...)</p>
9	21 Oct 2014	24 Oct 2014		<b>MID TERM BREAK</b>	
10	28 Oct 2014	31 Oct 2014		<p>Summary of Ch1 (Numbers, including directed numbers)</p> <p>Summary of Ch2 (Approximation and Estimation, including significant figures)</p> <p>Summary of Ch4 (Percentage)</p> <p><b>Test yourself: MM1 Ch1 (p.29)</b></p> <p><b>Test yourself: MM1 Ch2 (p.59)</b></p> <p>Catch up with all missing Class activities.</p>	<p>MM1 (4ABCDEFGH + cp MM1 WB (Ch4 Ex1,2,3,4,5,6,7,8 + Rev Ex1,4,7,10,13...; a,d,g,...)</p>
11	04 Nov 2014	07 Nov 2014	<p>VSAY6: Problem Solving Strategies, Algebra and pattern and simple equation</p> <p>H&amp;H MYP1 Ch10, 18 &amp; 20</p> <p>My Pals 6A Ch1</p> <p>VSAY7: Algebra, Pattern and sequence, algebraic expression</p> <p>H&amp;H MYP 2 Ch5</p> <p>NTS1: Ch2</p>	<p><b>Test yourself: MM1 Ch2 (p.65 #2)</b></p> <p><b>Test yourself: MM1 Ch4 (p.94-95)</b></p> <p><b>MM1 Ch6 Algebraic Representation and Formulae</b></p> <p>6.1 algebraic Expressions</p> <p>6.2 Evaluation of Algebraic Expressions and Formulae</p> <p>6.3 Translation of Simple Real World Situations into Algebraic Expressions</p> <p><b>Activity 1: MM1 WB (p.81-82)</b></p> <p>6.4 Recognising and Representing Number</p>	<p>MM1 (4EFGH + cp4 + 6A + cp6)</p> <p>MM1 WB (Ch4 Ex5,6,7,8 Rev Ex4 + Ch6 Ex1,2,3,4 Rev Ex6)</p> <p>(Q2,5,8,11...; b,e,h,k...)</p>

				1.1 Identification, subtraction and addition. <b>Activity 1: MM1 WB (p.93)</b>	(Q3,6,9,12...; c,f,i...)
13	18 Nov 2014 (Ms Yeung in Shanghai)	21 Nov 2014 (Ms.Yeung to Fiji CW01)		<b>MM1 Ch7 Algebra Manipulation</b> (continue) 7.2 Simplification of Linear Algebraic Expressions	MM1 (6ABCD + cp6 + 7A cp7) MM1 WB (Ch6 Ex1,2,3,4 Rev Ex6 + Ch7 Ex1,2 + F Ex7) (Q1,4,7,10...; a,d,g...)
14	24 Nov 2014	26 Nov 2014		CAS Week Trip	
15	02 Dec 2014	05 Dec 2014	VSAY6: Measurements H&H MYP1 Ch12, 19 & 24 My Pals 6A Ch3 My Pals 6B Ch10 (exclude circles) & Ch11  VSAY7: Circles H&H MYP 2 Ch18  <b>ATYP: Area and Perimeter</b> <b>MM1 Ch9</b>	<b>MM1 Ch9 Area and Perimeter</b> 9.1 Perimeter <b>Activity 1: MM1 WB (p.112-113)</b> 9.2 Units of Area MM1 Ch9 Area and Perimeter 9.3 Area of Parallelogram <b>Activity 2: MM1 WB (p.114-115)</b> 9.4 Area of Trapezium <b>Activity 3: MM1 WB (p.116)</b>	MM1 (7AB + cp7 + 9ABC MM1 WB (Ch7 Ex1,2 + R Ex7 + Ch9 Ex1,2,3,4) (Q2,5,8,11...; b,e,h...)
16	09 Dec 2014	12 Dec 2014		<b>MM1 Ch9 Area and Perimeter</b> (continue) <b>Test yourself: MM1 Ch9 p.230</b> <b>Test yourself: MM1 Ch9 p.233</b> 9.5 More Word Problems	MM1 (7B+cp7+9ABCDE- MM1 WB (Ch7 Ex2+Rev + Ch9 Ex1,2,3,4,5+Rev E (Q3,6,9,12...; c,f,i...)
17	16 Dec 2014 (Half Day school)	19 Dec 2014 (Half Day school)	<b>ATYP: Surface Area and Volume</b> <b>MM1 Ch10</b>	<b>MM1 Ch10 Surface Area and Volume</b> 10.1 Solid Figures and Nets <b>Activity 1: MM1 WB (p.131)</b> <b>Activity 2: MM1 WB (p.132)</b> 10.2 Surface Area of a Solid with Flat Faces <b>Activity 3: MM1 WB (p.133)</b>	MM1 (9ABCDE + cp9 + 1 MM1 WB (Ch9 Ex1,2,3,4 Rev Ex9 + Ch10 Ex1,2) (Q1,4,7,10...; a,d,g...)
18	22 Dec 2014	24 Dec 2014		CHRISTMAS HOL	
19	29 Dec 2014	31 Dec 2014		CHRISTMAS HOLIDAY & NEV	
	06 Jan	09 Jan		<b>MM1 Ch10 Surface Area and Volume</b> (continue) 10.3 Surface Area of a Solid Cylinder <b>Activity 4: MM1 WB (p.135)</b>	MM1 (9E + cp9 + 10ABC + cp10) MM1 WB (Ch9 Ex5, + Re 9 + Ch10 Ex1 2 3 4 5 6 +

22	2015	2015	Area <b>MM2 Ch7</b>	<b>Activity 2: MM2 WB (p.143)</b> <b>Activity 3: MM2 WB (p.147)</b> <b>Activity 4: MM2 WB (p.148)</b>	MM2 WB (Ch7 Ex1,2) (Q3,6,9,12...; c,f,i...)
23	27 Jan 2015	30 Jan 2015		<b>MM2 Ch7 Volume and Surface Area (continue)</b> 7.3 Volume and Surface Area of a Cone <b>Activity 5: MM2 WB (p.151-152)</b> <b>Activity 6: MM2 WB (p.155)</b> 7.4 Volume and Surface Area of a Sphere <b>Activity 7: MM2 WB (p.156)</b> <b>Activity 8: MM2 WB (p.159)</b>	MM1 (10CDEF + cp10) MM1 WB (Ch10 Ex3,4,5, Rev Ex10) MM2 (7ABCD + cp7) MM2 WB (Ch7 Ex1,2,3,4 Rev Ex 7) (Q1,4,7,10...; a,d,g... )
24	03 Feb 2015	06 Feb 2015	VSAY7 Ratios and Rates H&H MYP2 Ch12 & 22 NTS1 Ch12  <b>ATYP: Ratio</b> <b>MM1 Ch3</b>	<b>MM1 Ch3 Ratio</b> 3.1 Comparison between Two or More Quantities by Ratio <b>Activity 1: MM1 WB (p.41-42)</b> 3.2 Relationship between Ratio and Fraction <b>Activity 2: MM1 WB (p.43-44)</b> 3.3 Dividing a Quantity in a Given Ratio	MM2 (7ABCD + cp7) MM2 WB (Ch7 Ex1,2,3,4 Rev Ex 7) MM1 (3ABC) MM1 WB (Ch3 Ex1,2,3) (Q2,5,8,11...; b,e,h...)
25	10 Feb 2015	13 Feb 2015 PTS day		<b>MM1 Ch3 Ratio (continue)</b> 3.4 Ratio involving Rational Numbers 3.5 Problems involving Ratios <b>Golden Ratio</b> <b>Project: MM1 WB (p.52)</b>	MM2 (7CD + cp7) MM2 WB (Ch7 Ex3,4 + R Ex7) MM1 (3ABCDE + cp3) MM1 WB (Ch3 Ex1,2,3,4 Rev Ex3) (Q3,6,9,12...; c,f,i...)
26	17 Feb 2015 (Half day school)	18 Feb 2015	<b>LUNAR NEW YEAR HOLIDAY</b>		
27	23 Feb 2015	25 Feb 2015			
28	03 Mar	06 Mar	VSAY6 Data Handling and averages VSAY6 Different types of charts and graphs H&H MYP1 Ch17 My Date 6B Ch9	<b>MM1 Ch11 Data Handling</b> 11.1 Collection and Classification of Data <b>Activity 1: MM1 WB (p.153)</b> <b>Activity 2: MM1 WB (p.154-155)</b> 11.2 Pictograms 11.3 Bar graphs	MM1 (3ABCDE + cp3 + 11ABCD) MM1 WB (Ch3 Ex1,2,3,4 Rev Ex3 + Ch11 Ex1,2,3,4) (Q1,4,7,10...; a,d,g...)

				11.7 The Choice of Statistical Graph	Rev Ex11) (Q2,5,8,11...; b,e,h...)
30	17 Mar 2015	20 Mar 2015	<b>ATYP: Data Analysis</b> <b>MM2 Ch8</b>	<b>MM2 Ch8: Data Analysis</b> 8.1 Dot diagram <b>Activity 1: MM2 WB (p.167)</b> 8.2 Steam-and-Leaf diagram Back to back steam-and-leaf diagram	MM1 (11ABCDEFG + cp MM1 WB (Ch11 Ex1,2,3,4,5,6,7 + Rev Ex MM2 (8ABC) MM2 WB (Ch8 Ex1,2,3) (Q3,6,9,12...; c,f,i...)
31	24 Mar 2015	27 Mar 2015		<b>MM2 Ch8: Data Analysis</b> (continue) 8.3 Mean <b>Activity 2: MM2 WB (p.168)</b> <b>Activity 3: MM2 WB (p.169)</b> 8.4 Mode 8.5 Median <b>Activity 4: MM2 WB (p.170)</b>	MM1 (11EFG + cp11 MM1 WB (Ch11 Ex5,6,7, Rev. Ex11) MM2 (8ABCDEFG + cp8) MM2 WB (Ch8 Ex1,2,3,4,5,6,7,8 + Rev E (Q1,4,7,10...; a,d,g...)
32	31 Mar 2015	03 Apr 2015 (Good Friday)	VSAY6 Chance and Probability *Mathletics booklet <b>ATYP: Probability</b> <b>MM2 Ch9</b>	<b>MM2 Ch9 Probability</b> 9.1 Outcomes and Events <b>Activity 1: MM2 WB (p.185-186)</b> 9.2 Simple Probability <b>Activity 2: MM2 WB (p.187)</b>	MM2 (8ABCDEFG+ cp8 + + cp9) MM2 WB (Ch8 Ex1,2,3,4,5,6,7,8 + Rev E Ch9 Ex1,2 + Rev.Ex9) (Q2,5,8,11...; b,e,h...)
33	06 Apr 2015	08 Apr 2015		<b>CHING MING AND EAST</b>	
34	14 Apr 2015	17 Apr 2015	VSAY6 Time and Speed H&H MYP1 Ch15 My Pals 6B Ch7 <b>ATYP: Rate and Speed</b> <b>MM1 Ch5</b>	<b>MM1 Ch5 Rate and Speed</b> 5.1 Rate <b>Activity 1: MM1 WB (p.69)</b> <b>Activity 2: MM1 WB (p.69-70)</b> 5.2 Problem involving Rate <b>Activity 3: MM1 WB (p.71)</b> 5.3 Relationships between Distance, Time and Speed <b>Activity 4: MM1 WB (p.72)</b> 5.4 Average Speed	MM2 (8DEF + cp8 + 9AB cp9) MM1 (5ABCD + cp5) MM2 WB (Ch8 Ex4,5,6,7 Rev Ex8 + Ch9 Ex1,2 + Rev.Ex9) MM1 WB (Ch5 Ex1,2,3,4 Rev Ex5) (Q3,6,9,12...; c,f,i...)
35	21 Apr 2015	24 Apr 2015	VSAY7 Parallel lines, Angles, Triangle proofs H&H MYP2 Ch2 & 14 NTS1 Ch3 & 13 <b>ATYP: Basic Geometry and angles</b>	<b>MM1 Ch8 Basic Geometry and angles</b> 8.1 Angles 8.2 Working with different Types of Angles Complementary & Supplementary angles <b>Activity 1: MM1 WB (p.100-101)</b> Adjacent Angles Angles at a point	MM2 (9AB + cp9) MM1 (5ABCD + cp5 + 8A + cp8) MM2 WB (Ch9 Ex1,2 + Rev.Ex9) MM1 WB (Ch5 Ex1,2,3,4 Rev Ex5 + Ch8 Ex1.2.3 +

37	08 May 2015	08 May 2015	<p>Graphs H&amp;H MYP2 Ch17</p> <p><b>ATYP: Functions and graphs</b> <b>MM2 Ch2</b></p>	<p><b>Activity 3: MM2 WB (p.27)</b> 2.2 Scales and Graphs <b>Activity 4: MM2 WB (p.28-29)</b></p>	<p>Rev Ex5 + Ch8 Ex1,2,3 + Ex8) MM2 WB (Ch2 Ex1,2) (Q2,5,8,11...; b,e,h...)</p>
38	12 May 2015	15 May 2015		<p><b>MM2 Ch2 Functions and graphs (continue)</b> 2.3 Graphs of Linear Equations <b>Activity 5: MM2 WB (p.30)</b> <b>Activity 6: MM2 WB (p.31-32)</b> 2.4 Gradient of a Straight Line <b>Activity 7: MM2 WB (p.33-34)</b> <b>Activity 8: MM2 WB (p.35)</b> Gradient of special lines <b>Activity 9: MM2 WB (p.36-37)</b></p>	<p>MM1 (8ABCD + cp8) MM2 (2ABCD + cp2) MM1 WB (Ch8 Ex1,2,3 + Ex8) MM2 WB (Ch2 Ex1,2,3,4 Rev Ex2) (Q3,6,9,12...; c,f,i...)</p>
39	19 May 2015	22 May 2015	Review for ATYP SAW	<p>Revision for ATYP Y6 SAW (Include all topics learnt from September till now) <b>Quiz 1: Numbers and Algebra</b> MM1: Ch1, Ch2, Ch3, Ch4, Ch6, Ch7 MM2: Ch2 <b>Quiz 2: Geometry and trigonometry, and Statistics and probability</b> MM1: Ch5, Ch8, Ch9, Ch10, Ch11 MM2: Ch7, Ch8, Ch9</p>	<p>Finish Quiz 1 and Quiz 2 HW and checking on Friday</p> <p>MM2 (2ABCD + cp2) MM2 WB (Ch2 Ex1,2,3,4 Rev Ex2)</p>
40	26 May 15 SAW	29 May 15 SAW	<p align="center"><b>BUDDHA'S BIRTHDAY AND SUMMATIVE ASSESSMENT</b> <b>(*ATYP SAW WILL BE SCHEDULED ON THIS DATE)</b></p>		
41	02 Jun 2015	05 Jun 2015	<p>VSAY7 Algebra expression H&amp;H MYP2 Ch 10 <b>Equation in one unknown</b> H&amp;H MYP2 Ch 13 NT S1 Ch 4</p> <p><b>ATYP: Algebraic Manipulation</b> <b>MM2 Ch1</b></p>	<p>SAW Paper Review *(If needed a re-take will be given to those who are not performing satisfactorily) <b>MM2 Algebraic Manipulation</b> 1.1 Expansion of Linear Algebraic Expressions <b>Activity 1: MM1 WB (p.1-2)</b> 1.2 Formulae for Special Products Perfect squares Difference of two squares <b>Activity 2: MM1 WB (p.3)</b> 1.3 – 1.5 Factorization of Linear Algebraic Expressions <b>Activity 3: MM1 WB (p.4)</b> <b>Activity 4: MM1 WB (p.5-6)</b></p>	<p>MM2 (2CD + cp2) MM2 WB (Ch2 Ex3,4 + Rev Ex2) MM2 (1ABCDE) MM2 WB (Ch1 Ex1,2,3,4)</p>
				<b>MM2 Algebraic Manipulation</b>	MM2 (1ABCDEFGHI + cp2)

**Main Textbook and workbook (\*Chapter covered)**

\*MM1 – Mathematics Matter Textbook Normal (Academic) Secondary 1 – Marshall Cavendish Education (\*1,2,3,4,5,6,7,8,9,10,11)

\*MM1 WB– Mathematics Matter Workbook Normal (Academic) Secondary 1 – EPB Pan Pacific (\*1,2,3,4,5,6,7,8,9,10,11)

\*MM2 – Mathematics Matter Textbook Normal (Academic) Secondary 2 – Marshall Cavendish Education (\*1,2,7,8,9)

\*MM2 WB– Mathematics Matter Workbook Normal (Academic) Secondary 2 – EPB Pan Pacific (\*1,2,7,8,9)

**For VSA Year 6 topics (\*Chapter covered)**

\*H&H MYP1 – Mathematics for the international students 6 MYP 1 by Haese *et al.* Haese & Harris Publications (\*2,4,5,6,8,9,10,11,12,14,15,16,17,18,19,20,21,24)

\*My Pals 6A – My Pals are Here! Maths 6A (2<sup>nd</sup> edition) by Fong *et al.* Marshall Cavendish Education (\*1,3,4,6)

\*My Pals 6B – My Pals are Here! Maths 6A (2<sup>nd</sup> edition) by Fong *et al.* Marshall Cavendish Education (\*7,9,10,11)

**For VSA Year 7 topics (\*Chapter covered)**

\*H&H MYP2 – Mathematics for the international students 7 MYP 2 by Haese *et al.* Haese & Harris Publications (\*2,10,13,12,14,17,18,20,22)

\*NTS1 – New Trend Secondary 1 – Chung Tai publisher (including 1A and 1B) (\*1,2,3,6,9,10,12,13)

**For VSA Year 8 topics (\*Chapter covered)**

\*NTS2 – New Trend Secondary 2 – Chung Tai publisher (including 2A and 2B) (\*1,4,10)